

Title (en)

PATTERNING METHODS AND SYSTEMS USING REFLECTED INTERFERENCE PATTERNS

Title (de)

METHODEN UND SYSTEME ZUR ERZEUGUNG EINER STRUKTUR MIT REFLEKTIERTEN INTERFERENZMUSTERN

Title (fr)

PROCEDES ET SYSTEMES DE FORMATION DE MOTIFS AU MOYEN DE MOTIFS D'INTERFERENCE REFLECHIS

Publication

EP 1264220 A2 20021211 (EN)

Application

EP 01912902 A 20010222

Priority

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- US 78188101 A 20010212

Abstract (en)

[origin: WO0165314A2] A method for patterning a layer on a substrate can include projecting coherent radiation toward a reflector surface so that the coherent radiation is reflected off the reflector surface to provide a holographic projection of a desired image wherein the reflector surface includes information that corresponds to an inverse of the holographic projection of the desired image. The substrate including the layer can be maintained in the path of the reflected radiation so that the holographic projection is projected onto the layer. Related systems are also discussed.

IPC 1-7

G03H 5/00; G03F 7/20; H01J 37/317

IPC 8 full level

G03F 7/20 (2006.01); **G03H 1/08** (2006.01); **G03H 5/00** (2006.01); **H01J 37/317** (2006.01)

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Citation (search report)

See references of WO 0165314A2

Citation (examination)

- US 5973807 A 19991026 - BUCHKREMER HERMANN-STEPHAN [DE], et al
- PALMER E.W. ET AL: "Diffraction gratings", REPORTS ON PROGRESS IN PHYSICS, INSTITUTE OF PHYSICS, GB, vol. 38, 1975, pages 1016 - 1044

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